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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	4,510,188	4/1985	Ruggeri			
	B	4,642,250	2/1987	Spector			
	C	4,747,413	5/1988	Bloch			
	D	5,061,553	10/1991	Olsen, Jr.			
	E	5,161,479	11/1992	Mahr			
	F	5,360,503	11/1994	Coffy			
	G	5,376,699	12/1994	Sage			
	H	5,453,863	9/1995	West et al.			
	I	5,981,408	11/1999	Nakagawa et al.			
	J	6,072,619	6/2000	Kiryushev et al.			
	K	6,096,666	8/2000	Jachimowicz et al.			
	L	6,270,783	8/2001	Slavtcheff et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M	92/11311	7/1992	WO			
	N	2005/072455	8/2005	WO			
	P	2005/072447	8/2005	WO			

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	Q	Reflective display with photoconductive layer and a bistable reflective cholesteric mixture, Hidefumi Yoshida et al., Journal of the SID 5/3, 1997, pp. 269-274.
	R	Photostable tilted-perpendicular alignment of liquid crystals for light valves, Anna Lackner et al., Proceedings of the SID, Vol. 31/4, 1990, pp. 321-326.

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	6,277,439	8/2001	Painter			
	B	6,603,259	8/2003	Kiryushev et al.			
	C	6,608,438	8/2003	Topelberg et al.			
	D	6,624,565	9/2003	Topelberg			
	E	6,654,080	11/2003	Khan et al.			
	F	6,697,191	2/2004	Kiryushev et al.			
	G	6,727,197	4/2004	Wilson et al.			
	H	6,788,362	9/2004	Stephenson et al.			
	I	2005/0007336	1/2005	Albert et al.			
	J	2003/0202136	10/2003	Stephenson et al.			
	K	2004/0032545	2/2004	Stephenson et al.			
	L	2003/0016329	1/2003	Smith et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	Q	<i>Transparent phase images in photoactivated liquid crystals</i> , J.S. Margerum et al., Applied Physics Letter, Volume 19, Number 7, October 1, 1971, pp. 216-218.
	R	<i>16.3: Development of a flexible electronic display using photographic technology</i> , Stanley W. Stephenson et al., SID 04 Digest, pp. 774-777.

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#### U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
A		2003/0117548	6/2003	Stephenson			
B		2003/0034945	2/2003	Mi et al.			
C		2003/0019575	1/2003	Smith et al.			
D		2003/0206147	11/2003	Mi et al.			
E		3,600,060	8/1971	Churchhill			
F		4,684,771	8/1987	Wuthrich			
G		4,688,900	8/1987	Doane et al.			
H		6,271,898	8/2001	Clikeman et al.			
I		6,423,368	7/2002	Stephenson et al.			
J		6,459,467	10/2002	Hashimoto et al.			
K		4,890,902	1/1990	Doane et al.			
L		6,061,107	5/2000	Yang et al.			

#### FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
M							
N							
P							

#### OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	<i>A fully flexible colour display</i> , Peter Slikkerveer et al., SID 04 Digest, pp. 770-773.
R	<i>Robust Flexible LCD's with Paintable Technology</i> , Joost P.A. Vogels et al., SID 04 Digest, pp. 767-769.

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	6,359,673	3/2002	Stephenson			
	B	6,423,368	7/2002	Stephenson et al.			
	C	6,433,849	8/2002	Lowe			
	D	6,556,262	4/2003	Stephenson et al.			
	E	6,585,849	7/2003	Smith et al.			
	F	6,618,114	9/2003	Freeman			
	G	3,680,950	8/1972	Haas et al.			
	H	5,437,811	8/1995	Doane et al.			
	I	5,200,845	4/1993	Crooker et al.			
	J	5,644,330	7/1997	Catchpole et al.			
	K	5,748,277	5/1998	Huang et al.			
	L	5,668,614	9/1997	Chien et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	10.1: <i>Invited paper: What is electronic paper? The expectations</i> , Makoto Omodani, SID 04 Digest, pp. 128-131.
R	<i>Effect of woven fabric anisotropy on drape behaviour</i> , V. Sidabraite et al., ISSN 1392-1320, Materials Science, Vol. 9, No. 1, 2003, pp. 111-115.

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	5,493,430	2/1996	Lu et al.			
	B	6,359,673	3/2002	Stephenson			
	C	6,377,321	4/2002	Khan et al.			
	D	6,483,563	11/2002	Khan et al.			
	E	6,532,052	3/2003	Khan et al.			
	F	5,847,798	12/1998	Yang et al.			
	G	6,320,563	11/2001	Yang et al.			
	H	6,154,190	11/2000	Yang et al.			
	I	6,133,895	10/2000	Huang			
	J	6,034,752	3/2000	Khan et al.			
	K	2002/0030786	4/2002	Stephenson			
	L	2003/0085380	5/2003	Schumacher et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	Q	<i>The characterization of the static and dynamic drape of fabrics</i> , G.K. Stylios et al., J. Text. Inst., 1997, 88 Part 1, No. 4, pp. 465-475.
	R	<i>Modelling the fused panel for a numerical simulation of drape</i> , Simona Jevsnik et al., Fibers & Textiles in Eastern Europe, January/March 2004, Vol. 12, No. 1, pages 47-52.

Examiner: /Nitin Patel/ Date Considered 08/03/2009

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	2003/0063245	4/2003	Bowley et al.			
	B	2005/0083284	4/2005	Huang et al.			
	C	2003/0071791	4/2003	Hanson et al.			
	D	5,691,795	11/1997	Doane et al.			
	E	2003/0155151	8/2003	Hermanns et al.			
	F	6,468,638	10/2002	Jacobsen et al.			
	G	6,316,278	11/2001	Jacobsen et al.			
	H	5,007,872	4/1991	Tang			
	I	4,362,903	12/1982	Eichelberger et al.			
	J	4,896,946	1/1990	Suzuki et al.			
	K	5,889,572	3/1999	Takahashi et al.			
	L	4,948,232	8/1990	Lange			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	<i>Mechanics of elastic performance of textile materials</i> , Chauncey Chu et al., Textile Research Journal, August 1950, pp. 539-548.
R	<i>The dependence of fabric drape on bending and shear stiffness</i> , G.E. Cusick, J. Textile Institute 36, 11, 1965, pp. T597-T-607.

Examiner: /Nitin Patel/ Date Considered 08/03/2009

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	5,751,257	5/1998	Sutherland			
	B	6,710,760	3/2004	Johnson et al.			
	C	6,253,190	6/2001	Sutherland			
	D	6,269,342	7/2001	Brick et al.			
	E	6,657,620	12/2003	Oishi et al.			
	F	5,734,155	3/1998	Rostoker			
	G	2003/0169221	9/2003	Stephenson et al.			
	H	2002/0186182	12/2002	Stephenson et al.			
	I	2003/0222139	12/2003	Stephenson et al.			
	J	2004/0080477	4/2004	Capurso et al.			
	K	2003/0160912	8/2003	Stephenson			
	L	6,307,605	10/2001	Bailey			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	Q	Liquid crystal dispersions, Paul S. Drzaic, World Scientific, Series on Liquid Crystals, Vol. 1, pp. xi-xv, 1995.
	R	6.3: Plastic VGA reflective cholesteric LCDs with dynamic drive, G.M. Podoljal et al., SID proceedings, 1998, pp. 51-54.

Examiner: /Nitin Patel/ Date Considered 08/03/2009

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	6,902,454	6/2005	Petruchik			
	B	6,655,788	12/2003	Freeman			
	C	6,224,964	5/2001	Kawai et al.			
	D	6,268,839	7/2001	Yang et al.			
	E	2002/0030776	3/2002	Khan et al.			
	F	6,452,590	9/2002	Awamoto et al.			
	G	6,628,256	9/2003	Nishimura			
	H	2001/0015712	8/2001	Hashimoto			
	I	2003/0184569	10/2003	Koga et al.			
	J	5,815,136	9/1998	Ikeda et al.			
	K	6,278,429	8/2001	Ruth et al.			
	L	5,530,457	6/1996	Helgeson			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	M						
	N						
	P						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	Q	13.1: <i>Invited Paper: Reflective color display using cholesteric liquid crystals</i> , K. Hashimoto et al., SID 98 Digest, pp. 897-900.
	R	<i>Black and white photo-addressable electronic paper using encapsulated cholesteric liquid crystal and organic photoconductor</i> , T. Kakinuma et al., IDW 2002, pp. 1345-1348.

Examiner: /Nitin Patel/ Date Considered 08/03/2009

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
A		6,268,841	7/2001	Cairns et al.			
B		2003/0011549	1/2003	Murahashi et al.			
C		5,172,108	12/1992	Wakabayashi et al.			
D		2003/0031845	2/2003	Umeya et al.			
E		6,864,435	3/2005	Hermanns et al.			
F		5,996,897	12/1999	Prancz			
G		2005/0162606	12/2004	Doane et al.			
H		5,625,477	4/1997	Wu et al.			
I		2005/0001797	2/2004	Miller, IV et al.			
J		5,636,044	6/1997	Yuan et al.			
K		7,009,666	3/2006	Khan et al.			
L		6,819,310	11/2004	Huang et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
M							
N							
P							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	<i>Characterization of "Peas in a Pod", a novel idea for electronic paper</i> , S. Maeda et al., IDW 2002, pp. 1353-1356.
R	<i>Holographic polymer-dispersed liquid crystals (H-PDLCs)</i> , T.J. Bunning et al., <i>Annu. Rev. Mater. Sci.</i> 2000, 30:83-115, pp. 83-115.

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	A	6,850,217	2/2005	Huang et al.			
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## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	J						
	K						
	L						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	M	<i>Reflective multicolor display using cholesteric liquid crystals</i> , M. Okada et al., Proc. SID 97 Digest, pp. 1019-1022.
	N	<i>Multiple color high resolution reflective cholesteric liquid crystal display</i> , D. Davis et al., Proc IDRC (242) 1997.
	P	<i>Full color (4096 Colors) reflective cholesteric crystal display</i> , X. Huang et al., Proceedings of Asia Display 98, pp. 883-886 (1998).

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Jing-Jou Tang et al., <i>A 30-V Row/Column Driver for PSCT LCD Using High-Voltage BiMOS Process</i> , Online Article, dated 1999.
N	<a href="http://www/us.semiconductors.philips.com/pip/PCF8578.html">http://www/us.semiconductors.philips.com/pip/PCF8578.html</a> , LCD/row/column driver for dot matrix graphic displays, printed July 8, 2003, pp. 1-3.
P	40CH Segment/Driver for Dot Matrix LCD, KS0065B, Samsung Electronics, 12 pages.

Examiner:	/Nitin Patel/	Date Considered	08/03/2009
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## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
J							
K							
L							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Doane, J. William and Khan, Asad; <u>Cholesteric Liquid Crystals for Flexible Displays</u> , in <i>Flexible Flat Panel Displays</i> , Ed. G. Crawford (John Wiley & Sons, England, Chapter 17 (2005) pgs. 331-354
N	Doane, J. William, " <u>Polymer Dispersed Liquid Crystal Displays</u> ", in <i>Liquid Crystals: Applications &amp; Uses</i> , Ed. Birendra Bahadur (World Scientific Pub. 1990), Chapter 14, pgs 361-395
P	Luo, F.C., " <u>Active Matrix LC Displays</u> ", in <i>Liquid Crystals: Applications &amp; Uses</i> , (ed. B. Bahadur), World Scientific, Singapore, Chapter 15, pgs. 397-436.
Q	

Examiner:	/Nitin Patel/	Date Considered	08/03/2009
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